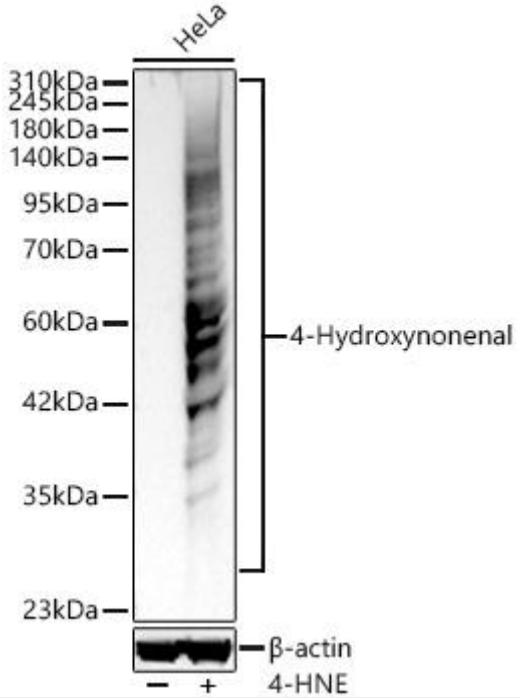
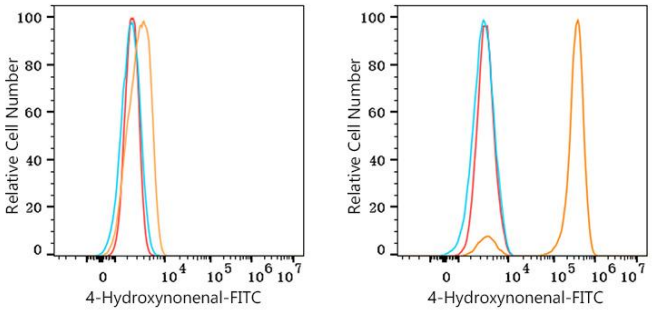
4-Hydroxynonenal mouse mAb

货号	YP-mAb-18337
同位型	IgG
应用	WB
种属	Human, Mouse,Rat
其他名称	4-HNE
免疫原	Chemical compounds corresponding to 4-Hydroxynonenal
稀释	WB 1:10000 - 1:50000
纯化工艺	Affinity purification
分子量	23-310kDa
背景	4-hydroxy-2-nonenal (4-hydroxynonenal, 4-HNE) is a highly reactive aldehyde generated by the exposure of polyunsaturated fatty acids to peroxides and reactive oxygen species (ROS). It non-enzymatically forms stable protein adducts with histidine, lysine, and cysteine side chains that have been used as biomarkers for oxidative damage in cells. Conditions where 4-HNE immunoreactivity has been observed include include inflammation, neurodegenerative diseases, and ischemic damage to the heart and brain.
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!
使用建议	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

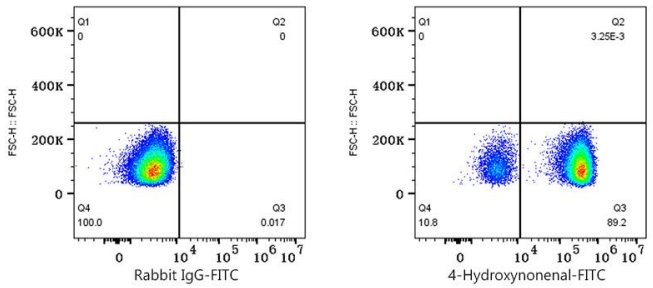
Products Images



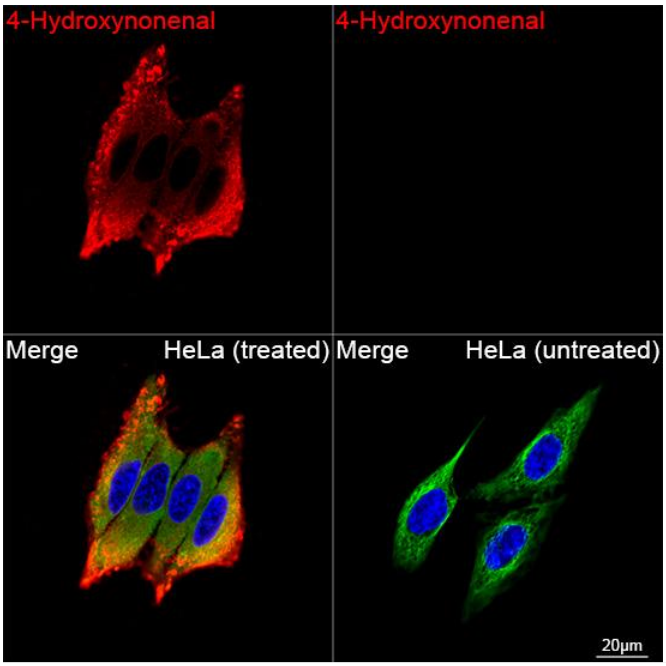
Western blot analysis of lysates from HeLa cells using 4-Hydroxynonenal Mouse mAb (A26085) at 1:50000 dilution incubated overnight at 4℃. HeLa cells were treated by 4-HNE (0.2 mg/ml) at 37℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Flow cytometry: 1X10^6 HeLa cells (negative control,left) and HeLa cells (treated with 4-Hydroxynonenal,right) were intracellularly-stained with 4-Hydroxynonenal Mouse mAb (A26085,2 μg/mL,orange line) or Mouse IgG isotype control (AC042,2 μg/mL,blue line), followed by FITC conjugated goat anti-Mouse mAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 HeLa cells (treated with 4-Hydroxynonenal) were intracellularly stained with Mouse IgG isotype control (AC042,2 μg/mL,left) or 4-Hydroxynonenal Mouse mAb (A26085,2 μg/mL,right), followed by FITC conjugated goat anti-Mouse mAb staining



Confocal imaging of HeLa cells (treated with 4-HNE) and HeLa cells (untreated) using 4-Hydroxynonenal Mouse mAb (A26085, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.